

- PI 550450 **origin:** United States. **origin institute:** Iowa Agr. and Home Econ. Exp. Station, Iowa State University, Ames, Iowa 50010. **cultivar:** Iowa Corn Borer Synthetic No. 3. **pedigree:** Combined 16 lines: B49, B53, B55, C.I.31A, Msl, W22, (B33/Oh43)-8-1-2, (Pa. Int. Syn.)-22-4-1, (Syn. A)-97-1-2, Midland-8-1-2, (M14/A206//Oh4C)-33-1-2, P33-2-2, WF9/458-1 (Pa. Sel.)-755-228, HD225, (Minn. Syn. No. 1)-24. **other id:** GP-16. **source:** Crop Sci. 11(1):140 1971. **group:** CSR-MAIZE. **remarks:** All parent lines have intermediate to excellent resistance to first brood of European corn borer (*Ostrinia nubilalis*). Annual. Breeding Material. Seed.
- PI 550451 **origin:** United States. **origin institute:** Iowa Agr. and Home Econ. Exp. Station, Iowa State University, Ames, Iowa 50010. **cultivar:** Iowa Corn Borer Synthetic No. 4. **pedigree:** Developed after 3 cycles of recurrent selection in A.E.S. Synthetic A. A.E.S. Synthetic A composed of C.I.7, WF9, K148, 187-2, L317, Tr, 38-11, Os420, NC7, Oh40B, B18, R4, L97, C14, L503, and W16. **other id:** GP-17. **source:** Crop Sci. 11(1):140 1971. **group:** CSR-MAIZE. **remarks:** Resistant to the first brood of the European corn borer (*Ostrinia nubilalis*). Annual. Breeding Material. Seed.
- PI 550452 **origin:** United States. **origin institute:** Iowa Agr. and Home Econ. Exp. Station, Iowa State University, Ames, Iowa 50010. **cultivar:** Iowa Corn Borer Synthetic No. 5. **pedigree:** Developed after 3 cycles of recurrent selection in A.E.S. Synthetic B. A.E.S. Synthetic B composed of K155, W22, B10, Oh33, P8, C103, Hy, 540, C.I.27, A347, K4, M14, NC34, A131, Hyd1100.3, and A148. **other id:** GP-18. **source:** Crop Sci. 11(1):140 1971. **group:** CSR-MAIZE. **remarks:** Resistant to the first brood of the European corn borer (*Ostrinia nubilalis*). Annual. Breeding Material. Seed.
- PI 550453 **origin:** United States. **origin institute:** Iowa Agr. and Home Econ. Exp. Station, Iowa State University, Ames, Iowa 50010. **cultivar:** Iowa Corn Borer Synthetic No. 6. **pedigree:** Developed after 3 cycles of recurrent selection in Pennsylvania Early Synthetic. Pennsylvania Synthetic composed of A, A71, C103, K155, NC34, Oh04, Oh26, Oh40B, W23, 1205, L317, Os420, WF9, and M14 among others. **other id:** GP-19. **source:** Crop Sci. 11(1):140 1971. **group:** CSR-MAIZE. **remarks:** Resistant to first brood of European corn borer (*Ostrinia nubilalis*). Pennsylvania Synthetic developed by Dr. Wernham at Pennsylvania State Univ. for resistance to northern corn leaf blight (*Helminthosporium turcicum*). Pennsylvania Early Synthetic is an early selection of Pennsylvania Synthetic. Annual. Breeding Material. Seed.